



SEQUENCE LISTING

<110> SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS  
SCIENTIFIQUES S.A.S.

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<140> 10/582,534

<141> 2006-06-09

<150> PCT/US2004/042045

<151> 2004-12-15

<150> US 60/529,822

<151> 2004-12-16

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<170> PatentIn version 3.3

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 <213> Artificial Sequence  
  
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 <223> GLP-1 Analogue  
  
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 <221> MISC\_FEATURE  
 <222> (2)..(2)  
 <223> Xaa = alpha-aminoisobutyric acid  
  
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 <221> MISC\_FEATURE  
 <222> (29)..(29)  
 <223> Xaa = alpha-aminoisobutyric acid  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (31)..(31)  
 <223> Xaa = alpha-aminoisobutyric acid  
  
 <220>  
 <221> MOD\_RES  
 <222> (32)..(32)  
 <223> AMIDATION  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (32)..(32)  
 <223> Xaa = Gama-aminobutyric acid  
  
 <400> 27  
 His Xaa Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Phe Leu Val Arg Xaa Arg Xaa Xaa  
 20 25 30  
  
 <210> 28  
 <211> 30  
 <212> PRT  
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 <223> GLP-1 Analogue  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa = (4-hydroxyphenyl)propionic acid  
  
 <220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION  
  
 <400> 28

Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30

<210> 29  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> GLP-1 Analogue

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa = (3-hydroxyphenyl)propionic acid

<220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION

<400> 29  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30

<210> 30  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> GLP-1 Analogue

<220>  
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 <223> Xaa = phenylacetyl

<220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION

<400> 30  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30

<210> 31  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> GLP-1 Analogue  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa = 3-fluoro-4-hydroxyphenyl-acetyl  
  
 <220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION  
  
 <400> 31  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30  
  
 <210> 32  
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 <213> Artificial Sequence  
  
 <220>  
 <223> GLP-1 Analogue  
  
 <220>  
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 <222> (1)..(1)  
 <223> Xaa = 4-imidazol-carbonyl  
  
 <220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION  
  
 <400> 32  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30  
  
 <210> 33  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> GLP-1 Analogue  
  
 <220>  
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 <222> (1)..(1)  
 <223> Xaa = 4-nitrophenyl-acetyl

<220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION  
  
 <400> 33  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30  
  
 <210> 34  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> GLP-1 Analogue  
  
 <220>  
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 <222> (1)..(1)  
 <223> Xaa = 3-chloro-4-hydroxyphenyl-acetyl  
  
 <220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION  
  
 <400> 34  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
 20 25 30  
  
 <210> 35  
 <211> 30  
 <212> PRT  
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 <220>  
 <223> GLP-1 Analogue  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa = 4-hydroxyphenylacetyl  
  
 <220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION  
  
 <400> 35  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1 5 10 15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg

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<210> 36  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> GLP-1 Analogue

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa = 4-aminophenyl-acetyl

<220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION

<400> 36  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1                      5                      10                      15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
                     20                      25                      30

<210> 37  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> GLP-1 Analogue

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa = 3-(3-hydroxyphenyl)-propionyl

<220>  
 <221> MOD\_RES  
 <222> (30)..(30)  
 <223> AMIDATION

<400> 37  
 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 1                      5                      10                      15  
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
                     20                      25                      30

<210> 38  
 <211> 30  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> GLP-1 Analogue

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<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa = 3-phenyl-propionyl

<220>
<221> MOD_RES
<222> (30)..(30)
<223> AMIDATION

<400> 38
Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1      5      10      15
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
      20      25      30

<210> 39
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> GLP-1 Analogue

<220>
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<222> (1)..(1)
<223> Xaa = 3-(4-aminophenyl)-propionyl

<220>
<221> MOD_RES
<222> (30)..(30)
<223> AMIDATION

<400> 39
Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1      5      10      15
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
      20      25      30

<210> 40
<211> 30
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<213> Artificial Sequence

<220>
<223> GLP-1 Analogue

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa = 3-(4-nitrophenyl)-propionyl

<220>
<221> MOD_RES
<222> (30)..(30)

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<223> AMIDATION

<400> 40

Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
1 5 10 15  
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
20 25 30

<210> 41

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> GLP-1 Analogue

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = 3-(2-hydroxyphenyl)-propionyl

<220>

<221> MOD\_RES

<222> (30)..(30)

<223> AMIDATION

<400> 41

Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
1 5 10 15  
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
20 25 30

<210> 42

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> GLP-1 Analogue

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa = 3-(3,4-difluorophenyl)-propionyl

<220>

<221> MOD\_RES

<222> (30)..(30)

<223> AMIDATION

<400> 42

Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
1 5 10 15  
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg  
20 25 30

<210> 43



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<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> GLP-1 Analogue

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa = 3-(2,4-dihydroxyphenyl)-propionyl

<220>
<221> MOD_RES
<222> (30)..(30)
<223> AMIDATION

<400> 43
Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1          5          10          15
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
          20          25          30

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